

In the claims:

1 1. (Currently Amended) A fluid quick connector comprising:
2 an electrically conductive connector housing configured to mate with
3 male endform having a bore extending from one end; and
4 an electrically conductive contact member mounted in the housing and
5 adapted for contacting the male endform to electrically connect the male endform and
6 the quick connector housing, the contact member including:
7 a first portion adapted to be mountable in a quick connector
8 housing bore in contact with the quick connector housing; and
9 at least one arm extending from the first portion ~~for contact with~~
10 ~~the male endform, the arm extendable~~ and adapted to extend through an open
11 end of a bore in the male endform in contact with ~~a~~ an inner surface of the
12 male endform.

Claims 2 & 3. (Previously canceled)

1 4. (Previously Amended) The fluid quick connector of claim 1
2 further comprising:
3 the arm having a bent end extendable into the male endform.

1 5. (Original) The fluid quick connector of claim 4 wherein the
2 arm and the bent end comprise:
3 a beam portion extending from the first portion of the contact member;
4 a back taper surface extending angularly from the beam portion; and
5 a tip end extending angularly from an edge at one end of the back taper
6 surface and defining a lead-in surface adapted to be engaged by a tip end of the
7 endform.

1 6. (Original) The fluid quick connector of claim 5 wherein:

2 the back taper surface extends at an obtuse included angle with respect
3 to the beam; and
4 the tip end extends at an obtuse included angle from the back taper
5 surface.

1 7. (Previously Amended) The fluid quick connector of claim 1
2 wherein the first portion comprises:
3 a tubular body mountable in the bore in the quick connector housing,
4 the arm extending from one end of the tubular body.

1 8. (Original) The fluid quick connector of claim 7 wherein:
2 the tubular body is longitudinally split to form spaced edges allowing
3 compression of the tubular body for press-fit mounting of the tubular body in the
4 bore in the quick connector housing.

1 9. (Original) The fluid quick connector of claim 7 wherein the
2 tubular body further comprises:
3 another end oppositely formed from the one end of the body, a lead-in
4 edge formed on the another end.

1 10. (Previously Amended) The fluid quick connector of claim 1
2 wherein the first portion of the contact member comprises:
3 an annular ring mountable in the bore in the quick connector housing,
4 the arm extending from the annular ring.

1 11. (Original) The fluid quick connector of claim 10 further
2 comprising:
3 the arm having a bent end extendable through an open end of a bore in
4 the male endform.

1 12. (Previously Amended) The fluid quick connector of claim 10
2 further comprising:

3 at least one locating member extending angularly from the annular ring
4 of the contact member, the at least one locating member engagable with an end of the
5 male endform to center the annular ring relative to the male endform.

Claim 14. (Previously canceled)

1 15. (Currently Amended) A fluid quick connector comprising:
2 a connector housing adapted to mate with an electrically conductive
3 male endform along a first axis;

4 the quick connector housing formed of an electrically conductive
5 material; and

6 a contact member having a first portion fixedly mountable in a bore in
7 the housing, and an arm extending from the first portion adapted to extend through an
8 open end of a bore in the male endform to dispose the arm in contact with a an inner
9 surface of the male endform.

1 16. (Currently Amended) An electrical contact for an electrically
2 conductive fluid quick connector having a connector housing configured to mate with
3 an electrically conductive male endform, the electrical contact comprising:

4 an electrically conductive contact member adapted to mount in a quick
5 connector housing to electrically connect a male endform inserted into the housing to
6 the quick connector housing, the contact member including:

7 a first portion adapted to be mountable in the quick connector
8 housing bore in contact with the quick connector housing; and

9 an arm extending from the first portion adapted for contact with
10 the male endform inserted into the housing bore, the arm adapted to be
11 extendable through an open end of the bore in the male endform into contact
12 with a an inner surface of the male endform.

Claims 17 and 18. (Previously canceled)

1 19. (Previously Amended) The electrical contact of claim 16
2 further comprising:

3 the arm having a bent end adapted to be extendable into the male
4 endform.

1 20. (Original) The electrical contact of claim 19 wherein the arm
2 and the bent end comprise:

3 a beam portion extending from the first portion of the contact member;

4 a back taper surface extending angularly from the beam portion; and

5 a tip end extending angularly from an edge at one end of the back taper
6 surface and defining a lead-in surface adapted to be engaged by a tip end of the
7 endform.

1 21. (Original) The electrical contact of claim 20 wherein the arm
2 and the bent end comprise:

3 the back taper surface extends at an obtuse included angle with respect
4 to the beam; and

5 the tip end extends at an obtuse included angle from the back taper
6 surface.

1 22. (Previously Amended) The electrical contact of claim 16
2 wherein the first portion of the contact member comprises:

3 a tubular body adapted to be mountable in the bore in the quick
4 connector housing, the arm extending from one end of the tubular body.

1 23. (Original) The electrical contact of claim 22 wherein:

2 the tubular body is longitudinally split to form spaced edges allowing
3 compression of the tubular body for press-fit mounting of the tubular body in the
4 bore in the quick connector housing.

1 24. (Original) The electrical contact of claim 22 wherein the
2 tubular body further comprises:
3 another end oppositely formed from the one end of the body, a lead-in
4 edge formed on the another end.

1 25. (Previously Amended) The electrical contact of claim 16
2 wherein the first portion of the contact member comprises:
3 an annular ring adapted to be mountable in the bore in the quick
4 connector housing, the arm extending from the annular ring.

1 26. (Original) The electrical contact of claim 25 further
2 comprising:
3 the arm having a bent end adapted to extend through an open end of a
4 bore in the male endform.

1 27. (Original) The electrical contact of claim 25 further
2 comprising:
3 at least one finger extending angularly from the annular ring of the
4 contact member, the at least one finger adapted to engage the housing bore.

1 28. (Original) The electrical contact of claim 25 wherein:
2 the annular ring is adapted to be mounted in registry with a shoulder
3 between two stepped bore portions of the through bore in the quick connector
4 housing.

Claim 29. (Previously canceled)
